

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/561616	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:54
S2	123105	surface with spin\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 13:42
S3	34573	surface with (spin spinronic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:54
S4	34575	surface with (spin spintronic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:54
S5	2305	surface near (spin spintronic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:55
S6	444	surface near (spin spintronic) and Cu	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:55

## EAST Search History

S7	1039212	surface near (spin spintronic) and Cu("111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:56
S8	1	surface near (spin spintronic) and Copper adj("111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:56
S9	58	Copper adj("111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:56
S10	11	Copper adj("111") and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 07:58
S11	3	spin adj filter and (copper with "111" or CU adj "111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:04
S12	437	spin and (copper with "111" or CU adj "111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:08
S13	2	"20060186433"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:08
S14	1	2005-075401.NRAN.	DERWENT	OR	OFF	2007/01/16 08:09

## EAST Search History

S15	0	mosfet with spin adj filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:11
S16	1	mosfet same spin adj filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:20
S17	0	fet same spin adj filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:20
S18	25	fet and spin adj filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 08:20
S19	6	("4982248"   "5206590"   "5652445"   "5654566"   "6297987"   "6313539").PN. OR ("6956269").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 08:23
S20	1	S19 and (copper or CU)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 08:24
S21	306	("4447839"   "4686472"   "4949039").PN. OR ("5206590"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 08:43
S22	258	S21 and (copper CU)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 08:49
S23	220	S21 and (copper CU) and (Fe iron)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 09:17
S24	205	CU adj ("111") or copper adj "111"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 10:27

## EAST Search History

S25	38	("4663685"   "4835069"   "5001586"   "5057380"   "5068147"   "5159513"   "5236791"   "5447781").PN. OR ("5738946").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 10:12
S26	221	CU adj ("111") or copper adj "111"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 10:45
S27	3	surface adj spintronic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 10:46
S28	7	surface with spintronic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 10:47
S29	129	magnetic with floating adj gate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 10:48
S30	832	spin with (filter switch) and (Cu copper) and (Fe or iron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 11:00
S31	92	spin with (filter switch) and (Cu copper) and (Fe or iron) and source and drain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 11:00

## EAST Search History

S32	5	("5465185"   "5654566"   "5962905"   "6069820"   "6876523").PN. OR ("7084468").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 11:04
S33	40	("5978257").PN. OR ("6069820").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 11:06
S34	0	asurface with conduction with spin	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 11:06
S35	55	surface with conduction with spin	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:25
S36	4	("6355953").URPN.	USPAT	OR	OFF	2007/01/16 11:08
S37	42	("4103315"   "4809109"   "5159513"   "5287238"   "5315468"   "5373238"   "5380548"   "5436778"   "5528440"   "5563752"   "5583725"   "5608593"   "5708358"   "5742458"   "5768067").PN. OR ("5910344").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:22
S38	87	surface near2 band same spin	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:32
S39	84	magnetization same (FE iron) and (copper Cu) with "111"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:39
S40	1971	magnetization same (FE iron) same(copper Cu)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:40
S41	321	magnetization same (FE iron) same(copper Cu) same spin	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:52
S42	43	"5561265"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 12:52
S43	12	("5695864"   "5703805"   "5930165"   "5982660").PN. OR ("6483741").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 13:26
S44	10	("5920446"   "6038107").PN. OR ("6219211").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 13:27

## EAST Search History

S45	21462	surface near2 band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 13:42
S46	11	surface near2 band same (Cu copper) and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 13:43
S47	80	surface with band same (Cu copper) and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 13:44
S48	953	surface with band and (Cu copper) and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 13:44
S49	63	surface with band with conduction and (Cu copper) and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:38
S50	6	vicinal adj surface\$1 and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:40
S51	3	("5587943"   "5958611"   "5966322").PN. OR ("6625058").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 14:41

## EAST Search History

S52	58	Copper adj("111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:52
S54	43	(Copper Cu) adj("111") and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:58
S55	2168	surface adj spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:58
S56	697	surface adj spin and (Cu copper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:59
S57	52	surface adj spin same (Cu copper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 15:00
S58	221	surface adj spin and (Cu copper) same (Fe iron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 15:00
S59	11	("5390061"   "5416353"   "5422571"   "5463516"   "5654566"   "5691865"   "6064552"   "6069820"   "6104275"   "6130814"   "6387549").PN. OR ("6700761"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 15:29

## EAST Search History

S60	27	surface adj electronic adj state	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 15:30
S61	35	kasai.inv. and spin	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 15:31
S62	61	kasai.inv. and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:11
S63	155	surface with induced with magnetization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:13
S64	66	surface with induced with magnetization and (Cu copper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:17
S65	61	surface with induced with band and (Cu copper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:19
S66	326	surface with induced with band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:19
S67	0	surface with induced with band same spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:19



## EAST Search History

S68	12	surface with induced with band and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:26
S69	104	("0114112" "0128483" "0163764"  "0164828" "0169542" "0179071"  "0019203" "0191354" "0191355"  "20010042877" "20010051436" "20020055016" "20040113188" "20040144995" "20050078417" "20050282379" "0035249" "5390061" "5549978" "5640343" "5650958" "5729410" "5757695" "5764567" "5841692" "5862022" "5936293" "0546515" "0058685" "0006020" "6153320" "6172859" "6226160" "6249407" "6347049" "6355953" "6359289" "6388268" "6392281" "6429497" "6535365" "6605836" "6674617" "6687099" "6724025" "6791792" "6841395" "6963096" "0076940" "0097534" "0097535" "0097537").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 16:26
S70	62	(977/933).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 07:09
S75	8428	(257/1-39).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 07:09
S76	618	S75 and (spin\$1 or spintronic\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 08:19

## EAST Search History

S78	1052	(428/611).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 08:43
S79	163	S78 and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 08:43
S80	166	S78 and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 08:43
S81	221	(Copper Cu) adj("111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 10:57
S82	34	"4851368"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 10:31
S83	2	("4851368").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 10:31
S84	740	(Copper Cu) with ("111") and spin\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 12:03

## EAST Search History

S85	166	(Copper Cu) with ("111") and spin\$1 and magnetization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 12:04
S86	19	("4103315"   "4755897"   "4785366"   "5014147"   "5159513"   "5164025"   "5287237"   "5315468"   "5390061"   "5422571"   "5436777"   "5548878"   "5552949"   "5688605"   "5698335"   "5702832"   "5725963"   "5738946"   "5780176").PN. OR ("6368706"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 12:19
S87	74	Cu adj ("111" "1,1,1") and Fe	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 12:25
S88	18	Cu adj ("111" "1,1,1") same Fe	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 12:19
S89	8	("5710436"   "5714536"   "5741435"   "5889091"   "5898549"   "5989406"   "6269018"   "6451220").PN. OR ("6614084").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 12:21
S90	19	Cu adj ("111" "1,1,1") same Fe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 12:25
S91	38	("4663685"   "4835069"   "5001586"   "5057380"   "5068147"   "5159513"   "5236791"   "5447781").PN. OR ("5738946").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 12:27
S92	4	("6355953").URPN.	USPAT	OR	OFF	2007/01/17 12:44
S93	9	thermoplastic same faraday with cage	USPAT	OR	OFF	2007/01/17 12:46

## EAST Search History

S94	19	thermoplastic same faraday with cage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 12:46
S95	50	thermoplastic same faraday	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/17 12:47
S96	34	("2014524"   "2774747"   "3401126"   "3429040"   "3788561"   "4113981"   "4395184"   "4442966"   "4519859"   "4793883"   "5046415"   "5056296"   "5074947"   "5112554"   "5196371"   "5237130"   "5383997"   "5427642"   "5539153"   "5575956"   "5611140"   "5622585"   "5667884"   "5742007"   "5932875").PN. OR ("6432253"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 12:48
S97	207673	(copper("111") Cu("111") (copper Cu) near "111")same iron	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:09
S98	207673	(copper("111") Cu("111") (copper Cu) adj "111")same iron	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:10
S99	165582	(copper("111") Cu("111") (copper Cu) adj "111")with iron	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:10

## EAST Search History

S10 0	165582	(copper("111") Cu("111") )with iron	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:10
S10 1	0	copper111	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:10
S10 2	1904830	copper("111")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:10
S10 3	236	(copper cu) adj "111"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 09:12
S10 4	112	S103 and (fe iron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 06:38
S10 5	17	S103 with (fe iron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:11
S10 6	1	fe/cu adj "111"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 11:47

## EAST Search History

S10 7	151	(cu copper )with (fe iron) and surface near band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 06:59
S10 8	546	(cu copper )with (fe iron) and spin with (spit\$3 filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 07:00
S10 9	518	(copper cu) adj2 "111"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 09:12
S11 0	167	S109 and (fe iron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 10:51
S11 1	4	"fe/cu" same spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 10:53
S11 2	0	"fe/cu" and spintronics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/01 10:54
S11 3	0	"fe/cu" and spintronics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 10:54

## EAST Search History

S11 4	34	"fe/cu" and spin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 10:54
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